

Product datasheet for **SC108271**

Mitochondrial ribosomal protein L11 (MRPL11) (NM_170739) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mitochondrial ribosomal protein L11 (MRPL11) (NM_170739) Human Untagged Clone
Tag:	Tag Free
Symbol:	Mitochondrial ribosomal protein L11
Synonyms:	CGI-113; L11MT; MRP-L11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_170739, the custom clone sequence may differ by one or more nucleotides

ATGTCAAAGCTCGGCCGGGCCGCCCGGGGCCTCAGGAAGCCCGAGGTCGGCGGTGTGATCCGGGCGATCG
 TCGGGGCAGGCCTGGCCATGCCCGGGCCCCACTAGGCCAGTGCTGGGTGAGAGAGCGTTTCCATCAA
 CCAGTTTTGCAAGGAGTTCAATGAGAGGACAAAGGACATCAAGGAAGGCATTCTCTGCCTACCAAGATT
 TTAGTGAAGCCTGACAGGACATTTGAAATTAAGATTGGACAGCCCACTGTTTCTACTTCTGAAGGCAG
 CAGCTGGGATTGAAAAGGGGGCCCGGCAACAGGGAAAGAGGTGGCAGGCCTGGTGACCTGAAGCATGT
 GTATGAGATTGCCCGCATCAAAGCTCAGGATGAGGCATTTGCCCTGCAGGATGTACCCCTGTCGTCTGTT
 GTCCGCTCCATCATCGGGTCTGCCGTTCTCTGGGCATTGCGGTGGTGAAGGAACGTTGTTCTGCAAATG
 TTCTAAGAAATGGAAGATCTCCATGAAGGATCCAAGTGGGAGAAGTTCAGTGTGA


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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_170739 unedited
 TAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCAAGATGGTGGCGCCCA
 GAGCTTCGCTCTTGCTGCTCCCTGAGGTGAACTGAAGCCAGCAGCCCCGCATCATGTCA
 AAGCTCGGCCGGGCCCGCCGGGGCTCAGGAAGCCGAGGTGGCGGTGTGATCCGGGCG
 ATCGTGGGGCAGGCCTGGCCATGCCCGGGCCCCACTAGGCCAGTGTGGGTGAGAGA
 GGCGTTTCCATCAACAGTTTTGAAGGAGTTCAATGAGAGGACAAAGGACATCAAGGAA
 GGCATTCTCTGCCTACCAAGATTTTGTGAAGCCTGACAGGACATTTGAAATTAAGATT
 GGACAGCCCACTGTTTCTTACTTCTGAAGGCAGCAGCTGGGATTGAAAAGGGGGCCCGG
 CAAACAGGAAAGAGGTGGCAGGCCTGGTGACCTTGAAGCATGTGTATGAGATTGCCCGC
 ATCAAAGCTCAGGATGAGGCATTTGCCCTGCAGGATGTACCCCTGTCGTCTGTTGTCCGC
 TCCATCATCGGGTCTGCCGTTCTCTGGGCATTGCGTGGTGAAGGACCTCAGTTCAGAA
 GAGCTTGACGTTTCCAGAAGGAACGAGCCATCTTCTGGCTGCTCAGAANGGAGCAGAT
 TTGGCTGCCCAAGAGAACTGCCAGAAGTGACCCTTGCCCCACCACTCCAGATTTANAGG
 AGGTAGTTGCAAAGCTGGCCCAAGGGGAAGGAAGGAGGGCAACCCAAATGATGATGGTT
 TTCATGACTTTGAATGATATATTTTGTACTCTAGCTGGATCGAGGCATCAAGCCCTGAT
 AAACCTCTTTCTAAAAANAAAAANNNNNANAAANACNNNNNANNANAAANAANAAAAA
 ACACAACACCACAAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_170739 unedited
 TTAACACCGCCTTTTGCCTCGATACAGCTAGCCGTACAAANAATATATCATTCAAAGTCT
 ATGAAAACCATCATCATATTGGTGTGACCTCCTTCTCCCTTGGGCACAGCTTTTGCAA
 CTACCTCCTTTGAAATCTGGGAGTTGGTGGGGCAAGGGTCACTTCTTGGCAGCTTCTTCT
 TGGGCAGCCAAATCTGCCTCCTTCTGAGCAGCCAGGAAGATGGCTCGTTCCTTCTGGAAA
 GCTGCAAGCTCTTCTGAACTGAGTCTTCACTCCTCAATGCCATAGAACGGGCACAC
 CCGATGATGGAGCGCACAAACAGACGACAGGGGTACATCCTGCACGGCAAATGCCTCACCC
 TGAGCCTTGGTTGCCGCTACTCTCATACATGCTTCAGGTCAACACGCCTGCCACCTTT
 TTCCCTGCTTCCCGGCCCTTTTCAATCCAGCTGCTTGCCCTCATGATGTCCGACACA
 CCCCCTCGCCACCTTTCCCTTAAAGCACCGCCCGCTTCCAAACCTCCCCCCCCC
 ATTCGGCCCCCTTGTGCTTTTGCCTCCCTTCACTTCTCACTCTCGTTCTCCGAAA
 CCCTCCCTTACCCACCTTTACCCCTTATGTTGCCCCCTCTCTTCCGCCACCTCTTCT
 CTTTCCCCCTCCCGGCCACACCTTATCTTCCCCCTCTTCCCTCCCTCCACATTT
 TTATTTTCCCCCTCTCTCTCTCTCTCCCTCCACCCCTTCTTCCCTTTCCCTCCCTCTTGTG
 TTTTCTTTATTACCAATTTTCCCCCTCCGTTTCCCGCTTATTCCCGCCGCTTTTTC
 CCCCCCTCCCTCTTTTCTCACTTCTTATTTTCTCTATTCTCCCGACCTCCCTTCCAC
 TCCCCATGTTCTATTCCCTATATTCCCCCTCCCATTTTCTCTTCTCGCTTCTCATT
 CCCTCTCTTTTCCACCCCTCCTTCTTGTATTTGTCTCCCTCCACCTTTTCTCTC
 CTAATACTCCTTCTCTC

Restriction Sites:

NotI-NotI

ACCN:

NM_170739

Insert Size:

820 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_170739.1](#), [NP_733935.1](#)

RefSeq Size: 934 bp

RefSeq ORF: 546 bp

Locus ID: 65003

UniProt ID: [Q9Y3B7](#)

Cytogenetics: 11q13.2

Gene Summary: This nuclear gene encodes a 39S subunit component of the mitochondrial ribosome. Alternative splicing results in multiple transcript variants. Pseudogenes for this gene are found on chromosomes 5 and 12. [provided by RefSeq, May 2014]
 Transcript Variant: This variant (3) includes an additional exon compared to variant 1, which results in a frameshift. It encodes an isoform (c) that is shorter and has a distinct C-terminus, compared to isoform a.